



# Planning and Engineering Climate Resilient Infrastructure at NASA Coastal Facilities

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# Objectives & Outcomes

1. Share information and build upon existing climate risk assessment and adaptation efforts
  2. Identify common risks and adaptation strategies
  3. Share and discuss best practices and lessons learned regarding:
    - master planning
    - facility design and construction
    - operations and maintenance
    - emergency preparedness and disaster recovery
  4. Build internal networks → **Coastal Center Network**
- **Workshop report** to be shared with all Centers

# Agenda

- Share climate risks and adaptation and emergency preparedness strategies with each other - Center presentations, panel, and discussions
- Hear the latest on climate information and CASI research – Cynthia Rosenzweig & Dan Bader, GISS
- Get the latest on the national perspective on climate change – Alfredo Gomez & Joe Thompson, GAO
- Learn what others are doing to adapt – Kevin Knuuti, US Army Corps of Engineers

**Lots of time to network & discuss**



# Overarching Climate Risk Policy

- Climate risk assigned to and owned by **Centers** and by the **Programs** that rely on those Centers.

**NOTE:** HEO is carrying sea level rise (SLR) as a risk and tracking ESD/OSI efforts.

- Policy changes / improvements can happen because of Center interest and need
- Different approaches based upon Center location

**Presentation and discussion later this morning**

# Video Welcome

Olga Dominguez, Assistant Administrator  
NASA HQ, Office of Strategic Infrastructure

# Introductions

- by Center
- by Community of Practice:
  - CofF/Facilities
  - Master Planners
  - O & M
  - Emergency Planning/Response
  - Others?
- Who has attended a Center-specific climate risks workshop already?

NASA Facility	#
Ames Research Center	2
Dryden Flight Research Center	1
Glenn Research Center	0
Goddard Space Flight Center - Greenbelt	7
Goddard Institute of Space Studies	3
Jet Propulsion Laboratory	0
Johnson Space Center	3
Kennedy Space Center	4
Langley Research Center	4
Marshall Space Flight Center	0
Michoud Assembly Facility	0
NASA Headquarters	13
Plum Brook Station	0
Stennis Space Center	4
Goddard Space Flight Center - Wallops Flight Facility	5
White Sands Test Facility	1
Outside NASA	8



# Optional Tour – Thurs PM

<b>2:10 pm</b>	Board GSFC bus (TBD) and drive to B29
<b>2:15 pm</b>	James Webb Space Telescope (JWST) Bldg 29, 2 <sup>nd</sup> floor cleanroom (20 min)
<b>2:30-3:00 pm</b>	Spacecraft Test & Integration Complex Bldg 7/10/15 Complex (30 min)
<b>3:10-3:40 pm</b>	Science on a Sphere Presentation Visitor Center Globe Theater (30 Min)
<b>3:40 pm</b>	Conclusion

**Please indicate interest on the sign-in sheet**